

WHAT IS CLAIMED IS:

1. A method for manufacturing a curved hose, the method comprising the steps of:
 - 5 (a) forming a hose assembly, the hose assembly comprising:
 - (i) an innermost layer of a halogenated polyolefin rubber;
 - (ii) a polyester reinforcement overlaying the innermost layer, the reinforcement having disposed on its surface an RFL adhesive comprising a chlorosulfonated polyethylene rubber; and
 - 10 (iii) an elastomeric cover overlaying the reinforcement;
 - (b) cutting the hose assembly into hose lengths;
 - (c) shaping the hose lengths into predetermined curved hose shapes; and
 - (d) curing the curved hose shapes.
- 15 2. The method of claim 1, wherein the polyester reinforcement is braided or spiraled yarn.
3. The method of claim 1, wherein the polyester reinforcement is braided yarn.
- 20 4. The method of claim 1, wherein the polyester reinforcement is yarn treated with the RFL adhesive comprising a chlorosulfonated polyethylene rubber.
5. The method of claim 1, further comprising the step of partially curing the hose assembly prior to the step of cutting the hose assembly into hose lengths.
- 25 6. The method of claim 1, excluding a step of partially curing the hose assembly prior to the step of curing the curved hose shapes.
- 30 7. The method of claim 1, wherein during said step of curing the curved hose shapes, the hose shapes are not end-capped.

8. The method of claim 1, wherein said braided polyester is not treated with an isocyanate.

9. The method of claim 1, wherein said curved hose shapes are steam cured.

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10. A curved hose shape produced by the method of claim 1.

11. The curved hose shape of claim 10, wherein the curved hose shape is selected from the group consisting of power steering hose, transmission oil cooler hose, engine oil cooler hose, coolant hose, and brake hose.

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12. The method of claim 4, wherein the RFL adhesive comprises from about 12 to about 18 percent by weight of chlorosulfonated polyethylene and resorcinol/formaldehyde resin, with the weight ratio of the polymeric solids from the latex to the resorcinol/formaldehyde resin should be in a range of about 5 to about 7.

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13. The method of claim 1, wherein the halogenated polyolefin rubber is chlorosulfonated polyethylene rubber, alkylated chlorosulfonated polyethylene rubber, or chlorinated polyethylene rubber.

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14. The method of claim 1, wherein the halogenated polyolefin rubber is chlorosulfonated polyethylene rubber.

15. The method of claim 1, wherein the halogenated polyolefin rubber is chlorinated polyethylene rubber.

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16. The method of claim 1, wherein the hose assembly is formed on a linear mandrel.

17. The method of claim 1, wherein the hose lengths are shaped on a heated press.

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18. The method of claim 1, wherein the hose lengths are shaped by insertion onto a shaped mandrel.

19. The method of claim 1, wherein the RFL does not include zinc.